



State of Utah
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DIVISION OF OIL, GAS AND MINING

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May 27, 1994

TO: Minerals File

FROM: Travis Jones, Reclamation Hydrologist *TJ*

RE: Site Inspection, Ash Grove Cement, County Canyon Quarry, M/023/024, Juab County, Utah

Date of Inspection: May 23, 1994
Time of Inspection: 1230-1330
Conditions: Sunny and Warm
Participants: Andrew Robinson--Ash Grove Cement; Rody Cox--BLM; Travis Jones and Wayne Hedberg--DOGM

Purpose of Inspection: Familiarize staff with site and inspect current disturbance

The mine plan for this operation describes three phases. Currently operations are in phase one. Approximately 4 acres have been disturbed to date. A small seep/spring has been intercepted by the mining activity in the southeast corner of the minesite. It is located immediately adjacent to the junction/interception of an ephemeral drainage (that acts as the eastern edge/boundary of the present disturbed area), with a larger drainage just south of the mine area. It is flowing at less than 1/4 gallon per minute. Since the saturated shale below the water table is difficult to mine, Ash Grove may dig a deep (20 feet?) trench south of the spring with the intention of draining the groundwater away from the shale ore into the nearby drainage.

The ephemeral drainage on the east side of the site has been blocked by the placement of overburden materials. Mr. Robinson informed us that a new channel would be constructed. Another (albeit somewhat smaller) ephemeral drainage on the west side of the site has also been blocked by overburden material. Mr. Robinson was informed that these drainages should not be intentionally blocked without proper hydrologic sizing and/or implementing provisions to reroute any surface water/runoff that could become impounded behind the fill material.

Topsoil stockpiles are located on the south and west flanks of the site. There is also a topsoil stockpile south of the spring. These stockpiles have been properly signed. There is additional soil near the stockpiles that is suitable subsoil. We asked Mr. Robinson to have the operators stockpile this material also.

The location for a revegetation test plot was discussed while onsite. Wayne Hedberg indicated that he would ask the minerals program biologist (Lynn Kunzler) to assist Ash Grove personnel with the design and location for a vegetation test plot at this site.

cc: Rody Cox, House Range RA, BLM
Andrew Robinson, Ash Grove Cement Company







